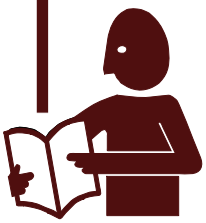
WELLS BLOOMFIELD, LLC
10 Sunnen Dr., St. Louis, MO 63143
telephone: 800-807-9054
fax: 314-781-2714
www.wells-mfg.com

OPERATION MANUAL

WATER-MAX WM-TR

Includes
INSTALLATION
USE & CARE



IMPORTANT: DO NOT DISCARD THIS MANUAL

This manual is considered to be part of the appliance and is to be given to the OWNER or MANAGER of the restaurant, or to the person responsible for TRAINING OPERATORS of this appliance. Additional manuals are available from your WELLS DEALER.

THIS MANUAL MUST BE READ AND UNDERSTOOD BY ALL PERSONS USING OR INSTALLING THIS APPLIANCE. Contact your WELLS DEALER if you have any questions concerning installation, operation or maintenance of this equipment.

p/n 2M-**303560** Rev. C

M705 **09**1021

LIMITED WARRANTY STATEMENT

Unless otherwise specified, all commercial cooking equipment manufactured by WELLS MFG. CO. is warranted against defects in materials and workmanship for a period of one year from the date of original installation or 18 months from the date of shipment from our factory, whichever comes first, and is for the benefit of the original purchaser only.

THIS WARRANTY IS THE COMPLETE AND ONLY WARRANTY, EXPRESSED OR IMPLIED IN LAW OR IN FACT, INCLUDING BUT NOT LIMITED TO, WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE, AND/OR FOR DIRECT, INDIRECT OR CONSEQUENTIAL DAMAGES IN CONNECTION WITH WELLS MFG. CO. PRODUCTS. This warranty is void if it is determined that, upon inspection by an authorized service agency, the equipment has been modified, misused, misapplied, improperly installed, or damaged in transit or by fire, flood or act of God. It also does not apply if the serial nameplate has been removed, or if service is performed by unauthorized personnel. The prices charged by Wells Mfg. Co. for its products are based upon the limitations in this warranty. Seller's obligation under this warranty is limited to the repair of defects without charge by a Wells Mfg. Co. factory authorized service agency or one of its sub-service agencies. This service will be provided on customer's premises for non-portable models. Portable models (a device with a cord and plug) must be taken or shipped to the closest authorized service agency, transportation charges prepaid, for service. In addition to restrictions contained in this warranty, specific limitations are shown in the Service Policy and Procedure Guide. Wells Mfg. Co. authorized service agencies are located in principal cities. This warranty is valid in the United States and Canada and void elsewhere. Please consult your classified telephone directory, your foodservice equipment dealer or write the Factory Service Department, Wells Manufacturing Company, 10 Sunnen Dr, St. Louis, MO 63143, phone (800) 807-9054, for information and other details concerning warranty.

SERVICE POLICY AND PROCEDURE GUIDE
ADDITIONAL WARRANTY EXCLUSIONS

1. Resetting of safety thermostats, circuit breakers, over load protectors, and/or fuse replacements are **not** covered by this warranty unless warranted conditions are the cause.
2. All problems due to operation at **voltages or phase other than specified on equipment nameplates** are **not** covered by this warranty.
   Conversion to correct voltage and/or phase must be the customer's responsibility.
3. All problems due to **electrical connections not made in accordance with electrical code requirements and wiring diagrams** supplied with the equipment are **not** covered by this warranty.
4. Replacement of items **subject to normal wear**, to include such items as knobs, light bulbs; and, normal maintenance functions including adjustments of thermostats, adjustment of micro switches and replacement of fuses and indicating lights are **not** covered by warranty.
5. Damage to electrical cords and/or plug due to exposure to excessive heat are **not** covered by this warranty.
6. Full use, care, and maintenance instructions supplied with each machine. Noted maintenance and preventative maintenance items, such as servicing and cleaning schedules, are customer responsibility. Those miscellaneous adjustments noted are customer responsibility. Proper attention to preventative maintenance and scheduled maintenance procedures will prolong the life of the appliance.
7. Travel mileage is limited to **sixty (60) miles** from an Authorized Service Agency or one of its sub-service agencies.
8. All labor shall be performed during regular working hours. Overtime premium will be charged to the buyer.
9. All genuine Wells replacement parts are warranted for ninety (90) days from date of purchase on non-warranty equipment. This parts warranty is limited only to replacement of the defective part(s). **Any** use of **non-genuine** Wells parts completely **voids any warranty.**
10. Installation, labor, and job check-outs are **not** considered warranty and are thus **not** covered by this warranty.
11. Charges incurred by delays, waiting time or operating restrictions that hinder the service technician's ability to perform service are **not** covered by warranty. This includes institutional and correctional facilities.

SHIPPING DAMAGE CLAIM PROCEDURE

NOTE: For your protection, please note that equipment in this shipment was carefully inspected and packaged by skilled personnel before leaving the factory. Upon acceptance of this shipment, the transportation company assumes full responsibility for its safe delivery.

IF SHIPMENT ARRIVES DAMAGED:

1. **VISIBLE LOSS OR DAMAGE:** Be certain that any visible loss or damage is noted on the freight bill or express receipt, and that the note of loss or damage is signed by the delivery person.
2. **FILE CLAIM FOR DAMAGE IMMEDIATELY:** Regardless of the extent of the damage.
3. **CONCEALED LOSS OR DAMAGE:** if damage is unnoticed until the merchandise is unpacked, notify the transportation company or carrier immediately, and file "CONCEALED DAMAGE" claim with them. This should be done within fifteen (15) days from the date the delivery was made to you. Be sure to retain the container for inspection.

Wells Manufacturing cannot assume liability for damage or loss incurred in transit. We will, however, at your request, supply you with the necessary documents to support your claim.

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INTRODUCTION

Thank you for purchasing this Wells Manufacturing Co. appliance.

Proper installation, professional operation and consistent maintenance of this appliance will ensure that it gives you the very best performance and a long, economical service life.

This manual contains the information needed to properly install this appliance, and to use and care for the appliance in a manner which will ensure its optimum performance.

SPECIFICATIONS

Electrical: 208 Volts, Single Phase 35 Amps
240 Volts, Single Phase 35 Amps

NOTE: Requires a dedicated 50 Amp circuit

Plumbing: Water Inlet: 1/4" Male Flare Fitting
Supply: 1/4" Female Flare supplied by a 1/4" O.D. or larger water supply line

NOTE: If water supply run from main supply line to Water-Max™ exceeds 12 feet, a 3/8" O.D. or larger water supply line is required.
For higher capacity, hook-up to a hot water line.

IMPORTANT: This dispenser must be installed in compliance with all applicable federal, state and local codes and ordinances.

Dimensions:

Height:	28-11/16"	
Width:	10-1/16" (without tank)	15" (with tank installed)
Depth:	22-7/16" (without tank)	25-1/4" (with tank installed)
Weight:	74 lbs. (without tank)	150 lbs. (with tank installed and filled)

FEATURES & OPERATING CONTROLS

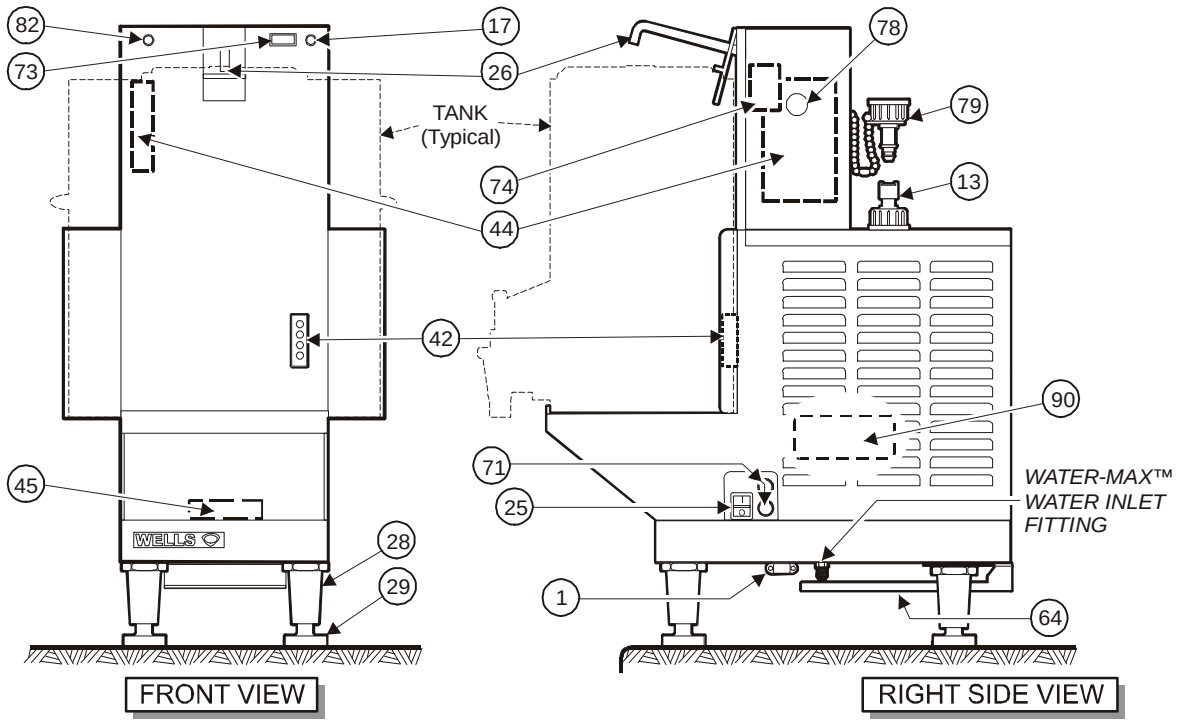


Fig. 1 Features & Operating Controls - Water Max™ Dispenser

1. STRAIN RELIEF	(Left Side, Bottom) Field supply wiring enters the appliance here.
13. DELIMING FITTING	Tank mounted quick disconnect fitting for deliming procedure.
17. TANK INDICATOR	Glows when tank is properly installed.
25. POWER SWITCH	Energizes the appliance.
26. DISPENSER NOZZLE	Hot water is dispensed here. Inserting water tank lowers nozzle into "dispense" position.
28. ADJUSTABLE LEG	Provides required clearance to counter, and allows unit to be leveled.
29. RUBBER FOOT	Allows Water-Max™ to operate without "walking" or sliding.
42. CONNECTOR	Allows WATER TANK to connect to Water-Max™. Also provides power to keep tank contents hot.
44. CONTROLLER CIRCUIT BOARD	(Inside left side) ***Access by qualified technician only.***
45. TERMINAL BLOCK	(Inside, under tank shelf) Field supply wiring connects here. ***Access by qualified technician only.***
64. AIR OUTLET GUARD	Provides a measure of protection for transformer cooling air outlet.
71. FUSES	Provide protection for electrical circuits.
73. POWER INDICATOR	Glows when Water-Max™ is *ON* and operating normally.
74. TANK POSITION SWITCH	Held *ON* when WATER TANK depresses DISPENSER NOZZLE. Unit will not operate unless WATER TANK is in place.

78. VIEW PORT	Allows digital readout of controller to be observed.
79. DELIMING FITTING	Quick disconnect fitting attaches to deliming solution bottle.
82. STATUS INDICATOR	Glows when filling, flashes when controller is in “error” mode.
90. NAMEPLATE	(Left side) Gives manufacturer information; lists model no., serial no. and electrical specifications.

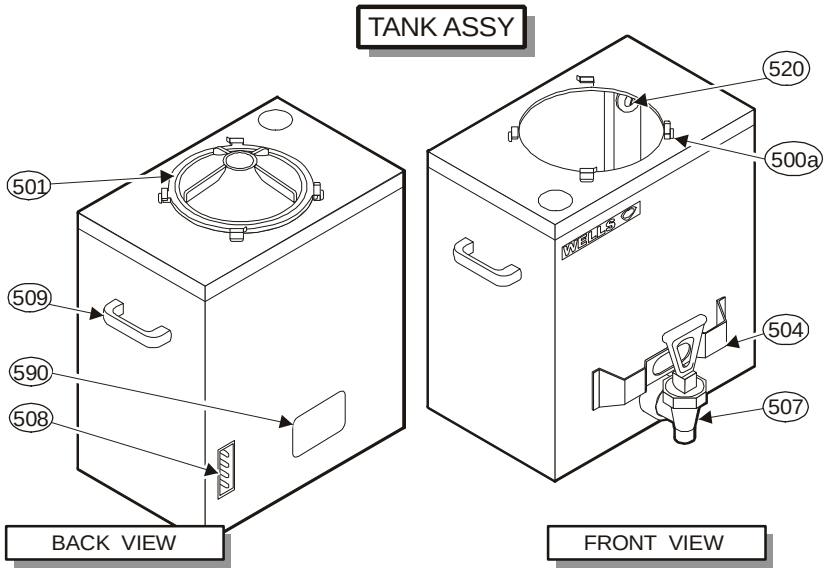


Fig. 2 Features & Operating Controls - Water Max™ 5 Gallon Tank

500a. LID HOLDING CLIPS	Ears on LID seat in these clips to secure lid.
501. TANK LID	Hot water is dispensed into the tank here. Turns clockwise to latch into HOLDING CLIPS.
504. FAUCET PROTECTOR	Provides some protection for FAUCET from damage.
507. FAUCET ASSEMBLY	Controls delivery of hot water to container for food prep, etc.
508. CONTROL RECEPTACLE	Allows WATER TANK to connect to Water-Max™. Also provides connection to power to keep tank contents hot.
509. RESERVOIR CARRYING HANDLE	Used to position the WATER TANK on Mater-Max™ *CAUTION - DO NOT ATTEMPT TO MOVE OR CARRY THE WATER TANK WHEN IT CONTAINS HOT WATER! SEVERE BURNS MAY RESULT.*
520. WATER LEVEL SENSOR	
590. NAMEPLATE	Inside WATER TANK. Senses water level. Gives manufacturer information; lists model no., serial no. and electrical specifications.

PRECAUTIONS AND GENERAL INFORMATION

WARNING: Electric Shock hazard

All servicing requiring access to non-insulated electrical components must be performed by a factory authorized technician.
DO NOT open any access panel which requires the use of tools. Failure to follow this warning can result in severe electrical shock.

CAUTION: Risk of Damage

DO NOT connect or energize this appliance until all installation instructions are read and followed. Damage to the appliance will result if these instructions are not followed.

Water-Max™ hot water dispenser is intended for use in commercial establishments only.

This dispenser is designed to dispense hot water used in the preparation of food for human consumption. No other use is recommended or authorized by the manufacturer or its agents.

Operators of this appliance must be familiar with the appliance use, limitations and associated restrictions.

Operating instructions, warnings and labels must be read and understood by all persons using or installing this appliance.

Cleanliness of this dispenser is essential to good sanitation. Read and follow all included cleaning instructions and schedules to ensure the safety of the food product.

Disconnect this appliance from electrical power before performing any maintenance or servicing.

DO NOT submerge the dispenser or water tank in water. Do not splash or pour water on, in or over any controls, control panel or wiring.

The technical content of this manual, including any wiring diagrams, schematics, parts breakdown illustrations and/or adjustment procedures, is intended for use by qualified technical personnel.

Any procedure which requires the use of tools must be performed by a qualified technician.

This manual is considered to be a permanent part of the appliance. This manual and all supplied instructions, diagrams, schematics, parts breakdown illustrations, notices and labels must remain with the appliance if it is sold or moved to another location.

This appliance is made in the USA. Unless otherwise noted, this appliance has American sizes on all hardware.

AGENCY LISTING INFORMATION

E6070

E6070

STD 4

This appliance conforms to NSF Standard 4 for sanitation only if installed in accordance with the supplied *Installation Instructions*.

This appliance is U Listed under File E6070.

This appliance is V Listed under File E6070.

UNPACKING & INSPECTION

Carefully remove the appliance from the carton. Remove all protective plastic film, packing materials and accessories from the
Appliance before connecting electrical power or otherwise performing any installation procedure.

Carefully read all instructions in this manual and the *Installation Instruction Sheet* packed with the appliance before starting any installation.

Read all instructions in this manual carefully before starting installation of this dispenser. READ AND UNDERSTAND ALL LABELS AND DIAGRAMS ATTACHED TO THE DISPENSER.

Carefully account for all components and accessories before discarding packing materials.

1 ea.	WATER-MAX™ DISPENSER
1 ea.	AIR OUTLET GUARD
4 ea.	ADJUSTABLE LEGS
1 ea.	WATER TANK ASSEMBLY with LID
1 ea.	DELIMING SOLUTION BOTTLE
1 ea.	LITERATURE PACKAGE

Store these components in a convenient place for later use:

SETUP

Verify that this dispenser installation is in compliance with the specifications listed in this manual and with local code requirements. THIS IS THE RESPONSIBILITY OF THE INSTALLER.

Recommended height of the faucet is 38” to 42”. However, the actual installed height will vary with the requirements of the individual store.

For *countertop installation*:

The counter at the installation location must be level, provide a clear space at least 17-1/2”” deep and must be structurally capable of safely supporting the 150 pound weight of the fully operational Water-Max™.

Set Water-Max™ on its back. Install the AIR OUTLET GUARD. Guard is positioned on the bottom of Water-Max™, fully to the rear, with the open portion toward the front. Install the REAR LEGS to hold the guard in place.

Install the FRONT LEGS. Make certain all four legs have the RUBBER FEET installed. Set Water-Max™ upright on the counter.

With the dispenser in its final installed location, adjust for level with the adjustable legs. With a spirit level, check and adjust the dispenser for level front-to-rear and side-to-side.

For *wall mount installations* contact your Authorized Wells Service Agency:

NOTE: DO NOT discard the carton or other packing materials until you have inspected the appliance for hidden damage and tested it for proper operation.
Refer to *SHIPPING DAMAGE CLAIM PROCEDURE* on the inside front cover of this manual.

WARNING: Risk of personal injury

Installation procedures must be performed by a qualified technician with full knowledge of all applicable electrical and plumbing codes. Failure can result in personal injury and property damage.

IMPORTANT: A one gallon pitcher of water will weigh about 8-1/2 pounds and will be VERY HOT.

IMPORTANT:
Wall-Mount Installations — Only factory- produced wall mounting brackets are authorized for use with Water-Max™.

Use of any mounting means or method other than the factory-produced bracket voids all warranty on this appliance. Additionally, owner and/or installer assume all liability in connection with injury or damage resulting from use of any mounting means or method other than the appropriate factory-produced bracket.

CAUTION:
Risk of Damage

DO NOT connect or energize this appliance until all Installation Instructions are read and followed. Damage to the dispenser will occur if these instructions are not followed.

IMPORTANT: Water supply MUST be a minimum of 1/4" line, and MUST be capable of supplying 25 p.s.i. AT ALL TIMES during the operation of the dispenser.

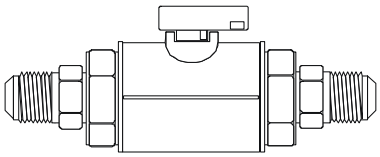


Fig. 3 1/4 Turn Ball Valve

IMPORTANT INSTALLATION NOTICE

Installer will be required to test water pressure, water flow, water total hardness, electrical voltage and amperage; and to record dispenser installation particulars on the *INSTALLATION CHECK OUT* form in this manual.

PLUMBING LINE CONNECTION

If power has been run to the dispenser, verify that the circuit breaker is turned *OFF*, and that the power switch is in the *OFF* [O] position.

Water-Max™ has an internal sensor to verify that there is sufficient water pressure to operate. Water-Max™ will not operate until a water supply is connected to the unit or if water pressure is less than 25 p.s.i.

Water-Max™ must be connected to a potable water supply.

NOTICE:
WATER PIPE CONNECTIONS AND FIXTURES DIRECTLY CONNECTED TO A POTABLE WATER SUPPLY SHALL BE SIZED, INSTALLED AND MAINTAINED ACCORDING TO FEDERAL, STATE, AND LOCAL ORDINANCES.

May be connected to either hot or cold water line. Connecting to a hot water line will increase the volume flow of the dispenser.

Minimum 1/4" copper or flex tubing supply line (3/8" minimum if run from main supply exceeds 12 feet) with 1/4" female flare fitting.

Minimum 25 psi / maximum 75 psi water pressure at full flow.

The installation of a SHUTOFF VALVE (must be provided by plumbing installer) on the incoming water line is required. A 1/4 turn ball valve is recommended to minimize restricting the water flow during operation.

Installation of a PRESSURE REGULATOR and WATER HAMMER ARRESTOR (to be provided by plumbing installer) on the incoming water line is recommended.

Clean the incoming waterline: Run water through the line into a sink or bucket to flush any foreign particles or debris from the waterline.

Assemble incoming water line to the inlet fitting. Turn on water supply valve and check for leaks.

Test water for pressure at full flow. If a pressure regulator is installed, adjust pressure to 40 p.s.i. Record this reading on the *INSTALLATION CHECK OUT* form.

Test water for total hardness. Record readings on the *INSTALLATION CHECK OUT* form.

ELECTRICAL INSTALLATION

NOTICE:
A DEDICATED CIRCUIT OF AT LEAST 50 AMPS IS REQUIRED.
WIRING MUST BE AT LEAST 6 ga., SUITABLE FOR 75º C.
CONDUIT, WIRING AND CONNECTIONS MUST BE INSTALLED AND MAINTAINED IN COMPLIANCE WITH FEDERAL, STATE, AND LOCAL ORDINANCES.

Conduit, wiring and connections must comply with the specifications in this manual, and with local ordinances. A 208V or 240V single phase, 50 amp circuit required.

Field supply wiring must pass thru, and be secured by, the strain relief on the bottom left side of the dispenser.

Field wiring supply power must connect to the rear-most side of the terminal block, terminals L1 and L2 as shown.

NOTE: Terminal block is accessible by removing the tank shelf. Remove the two screws under the shelf and lift the shelf off of the unit. See wiring tag.

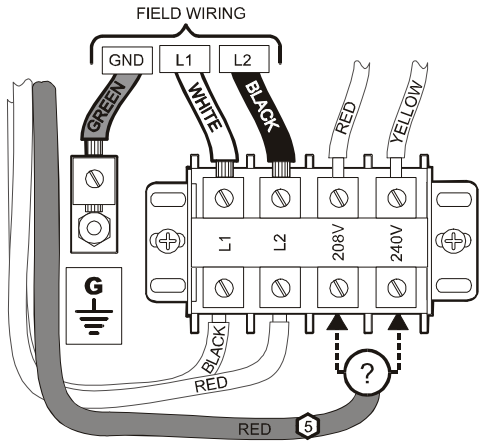


Fig. 4 Terminal Block Wiring

The dispenser is shipped from the factory configured for either 208 volt or 240 volt use. It may be converted from 208 volt to 240 volt, or from 240 volt to 208 volt, use by moving Wire #11 to either the terminal labeled “208V”, or to the terminal labeled “240V”, as appropriate for the input voltage.

Optional cord set uses a 4’ cord and NEMA 6-50P plug.

A suitable earth ground must be connected to the ground lug located to the left of the terminal block.

Check all connections to terminal block for tightness.

Test electrical supply for voltage and amp draw while unit is filling water tank. Record readings on the INSTALLATION CHECKOUT form.

Upon completion of the electrical hook-up and testing, properly reinstall all panels.

CAUTION:
SHOCK HAZARD

Removal of any exterior panel will result in exposed electrical circuits. Electrical connection must be performed by a ***qualified technician only***. Use care whenever working around exposed electrical circuits.

IMPORTANT:
Contact a licensed electrician to install and connect electrical power to the dispenser.

IMPORTANT:
Damage due to being connected to the wrong voltage or phase is NOT covered by warranty.

IMPORTANT:
Field wiring supply voltage must correspond to the position of red wire #11 (i.e. 208V or 240V). Failure to match wire #11 position to input voltage can result in equipment damage or reduced performance.
Such damage is not covered by warranty.

CAUTION:
SHOCK HAZARD

Failure to connect the chassis ground to a suitable earth ground will result in a potential shock hazard.

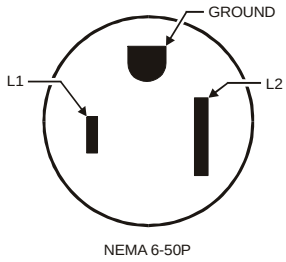


Fig. 5 NEMA 6-50P Plug

CAUTION:
Hot Surface

Exposed surfaces can be hot to the touch and may cause burns.

INSTALLATION START-UP AND CHECKOUT

Before turning on power or water to Water-Max™, visually verify:

a. Unit is level, air outlet guard in place, with all legs touching the counter (countertop installation); or,
Wall brackets securely mounted to wall and unit properly and securely mounted to brackets (all screws tight) with outlet guard installed (wall mount installation).

b. All electrical connections properly made and tightened.
Water connections properly made.

Turn on water to Water-Max™. Visually inspect unit for leaks.

Apply power to Water-Max™. Install tank on Water-Max™ shelf (leave tank lid off at this time). Press power switch to *ON* and observe operation:

a. POWER INDICATOR will glow when POWER SWITCH is *ON.*
TANK INDICATOR will glow when tank is properly installed.

b. After a five second delay, Water-Max™ tank should begin filling.
STATUS INDICATOR will glow steadily while tank is filling, indicating normal operation.

c. During initial tank fill, *CAREFULLY* separate the tank from the Water-Max™shelf. Verify that water flow stops when the tank allows the nozzle to rotate up.

d. Reinstall the water tank. Verify that water flow stops when water reaches the water level probe.

Press power switch to *OFF*. Discard all water generated thus far by dispensing containers of water from the faucet until the tank is empty.

Remove the tank from the shelf. Install tank lid on tank.

Press power switch to ON. Reinstall tank on Water-Max™ and allow tank to fill. Monitor time to fill and record on the *INSTALLATION CHECKOUT* form.

Test water temperature at faucet. Water should be at 201ºF.

WATER-MAX™ INSTALLATION CHECKOUT

To be completed by an Authorized WELLS MFG. Service representative

TYPE OR PRINT CLEARLY
Please use a ballpoint pen and press hard.
Check boxes and fill in spaces where applicable.

Authorized Service Co. _____ Agency Invoice # _____ Date _____
Address _____ Contact Name _____
City _____ State ____ ZIP _____ Phone (___) _____ Ext. _____

Business Name _____ Installation Requested By _____
Address _____ Accepted By _____ Store# _____
City _____ State ____ ZIP _____ Phone (_____) _____
MODEL NO. _____ **SERIAL NO.** _____ **VOLTAGE** _____ **Ø** _____

INSTALLATION INSPECTION (☑ Check box after item is completed. Note any discrepancies.)

A ☐ Accessories and components identified and accounted for
B ☐ Compliance with Electrical Codes verified
C ☐ Compliance with Building Codes verified
E ☐ Verify that all protective film and packing materials have been removed
D ☐ Water tank assembled and installed
E ☐ All fasteners checked for tightness
F ☐ Unit installed on hard surface and leveled
or
☐ Wall mount unit securely installed and leveled
and
☐ Unit securely attached to wall mount

STARTUP INSPECTION (☑ Check box after item is completed. Note any discrepancies.)

WATER SUPPLY
A ☐ Verify min. 1/4" supply line
B ☐ Verify min. 25 psi
C ☐ Water Hammer (Strainer/Regulator with Gauge/Water Hammer Arrestor) properly installed in supply line
D ☐ Shut off valve installed in supply line
F ☐ Test and record total hardness of water supply:

ELECTRICAL SUPPLY
A ☐ Verify input voltage matches nameplate voltage
B ☐ Verify dedicated 50A circuit
C ☐ Field wiring completed
D ☐ Unit ground stud connected to a suitable ground
E ☐ Verify Wire #11 position matches input voltage
F ☐ All connections at terminal block tight
G ☐ All connections at control circuit board tight

INSTALLATION
A ☐ Verify all switches / electronic controls work
B ☐ Verify power and status indicator light operation
C ☐ Check for leaks
D ☐ Check tank position safety switch for operation
E ☐ Check / adjust dispensed water temperature
F ☐ Check time to fill tank

DATA
A ☐ Record all pertinent data on *CUSTOMER SERVICE DATA* form in the *Operation Manual*
B ☐ Record voltages and amperages at circuit breaker:
Power switch off _____V _____A
Water tank filling _____V _____A (min 35A/max. 39A)
C ☐ Record water data: _____ psi
Total hardness _____ grain tH
Temperature _____ °F
Time to fill tank _____ min.

OPERATOR TRAINING AND OPERATIONAL INSPECTION (☑ Check box after item is completed. Note discrepancies.)

A ☐ Safety features and controls identification and operation
B ☐ Component and accessory identification
C ☐ Discuss safety procedures
D ☐ Demonstrate operation
E ☐ Demonstrate cleaning the dispenser and tanks
F ☐ Discuss preventative maintenance procedures
G ☐ Discuss / demonstrate food preparation
H ☐ Explain warranty. Return copies to office and factory
I ☐ Discuss use and availability of supplies available from the distributor

WATER-MAX™ INSTALLATION PERFORMED BY:

Name _____ Date _____

Time In _____ Time Out _____

Thank you for your help. This information is used to evaluate our continuing efforts in maintaining the highest quality product for you, our valued customer.

RESTAURANT OWNER, MANAGER or SUPERVISOR
Print Name _____
Signature _____

CAUTION:
Hot Surface

Exposed surfaces can be hot to the touch and may cause burns.

START-UP TROUBLESHOOTING

Power indicator not lit.

a. Verify electrical power is properly hooked-up to Water-Max™ and circuit breaker is turned *ON*

b. Verify power switch is turned *ON*

c. Verify that water tank is properly in place and mated with the receptacle

d. Verify water supply is properly installed, is turned on, and is providing at least 25 p.s.i.

Error indicator flashing. Tank is not filling.

a. Possible cause; sufficient inlet water pressure is *not* sensed during tank filling:
Be sure water supply is adequate during all phases of operation. Other equipment on the water line may be reducing overall water volume and/or pressure to Water-Max™. Also, be sure any supply line filters are clean.

b. Possible cause; sufficient temperature rise is *not* sensed between inlet and output water while tank is filling:
Be sure electrical supply voltage remains at rated value during all phases of operation. Otherwise, refer to Water-Max™ Service Manual p/n 503364.

Water-Max™ will not flow water from the dispense nozzle.

a. Verify that power indicator is lit, and status indicator is not flashing. Check that tank is properly positioned and that the tank indicator is lit.

b. Verify that the water tank is in place holding the tank position momentary switch *ON*;.

c. Verify that the water level is below the water level sensor. If water level is low, verify that the water level sensor and surrounding area are clean and free from lime and scale.

The water tank heater will not heat:

a. Verify the water tank connector is fully mated with the receptacle. The tank indicator will glow when the tank is properly installed.

b. Verify power switch is *ON.*

c. Check resistance at connector on tank: L1 to L2 = 144Ω (5 gal).

Status Indicator Flashing:

Water-Max™ control board has encountered an error condition. Read error code through view port. Refer to Water-Max™ Service Manual p/n 503364 for error code remedial action.

Water-Max™ is used to dispense hot water for food preparation.

Set-Up and Usage

Install the water tank on the Water-Max™ shelf.

Make sure that the tank is properly positioned, that the connector is seated and that the dispensing nozzle lowered into position in the water tank lid.

Press the power switch to *ON* and allow the water tank to fill with hot water.

Status indicator will glow when the tank is filling.
Status indicator will go out when the tank is full.

Place an appropriate container under the faucet. Being careful to not overflow the container, pull the faucet handle to dispense hot water.

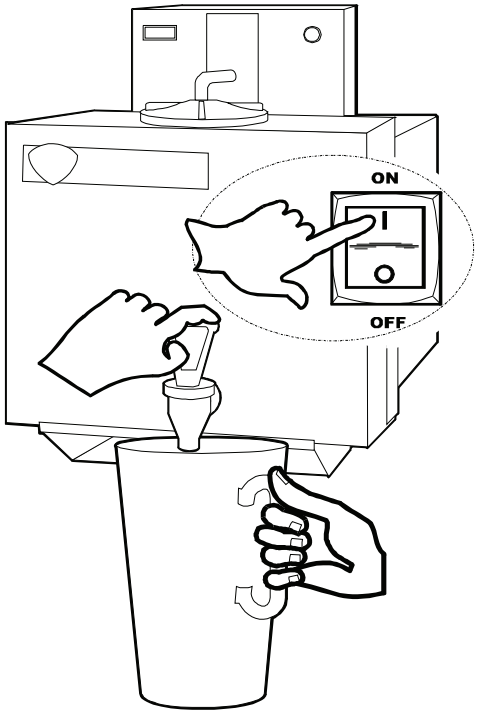


Fig. 6 Water-Max™ Operation

To Keep Water in Tank Hot

Leave the power switch *ON*. Water-Max™ will maintain the preset tank water temperature and will be ready to dispense hot water.

WARNING:
BURN HAZARD

Water-Max™ is designed to operate with a matching 5 gal. water tank only.
Do not hold anything other than the matching water tank under the dispensing nozzle.
Splashing hot water will cause serious burns.

GENERAL GUIDELINES

NEVER hold or place anything, other than the proper tank, under the dispense nozzle. Draw water only from the hot water faucet of the water tank.

NEVER attempt to remove or carry a water tank while full of water.

NEVER attempt to operate Water-Max™ without the lid properly installed on the water tank.

CAUTION:
Hot Surface

Exposed surfaces can be hot to the touch and may cause burns.

CLEANING INSTRUCTIONS

CAUTION:
BURN HAZARD
Water in tank is extremely hot. Use care when draining tank.

CAUTION:
HOT SURFACES
Exposed surfaces can be hot to the touch and may cause burns.

CAUTION:
EQUIPMENT DAMAGE
DO NOT SUBMERGE TANK IN WATER!

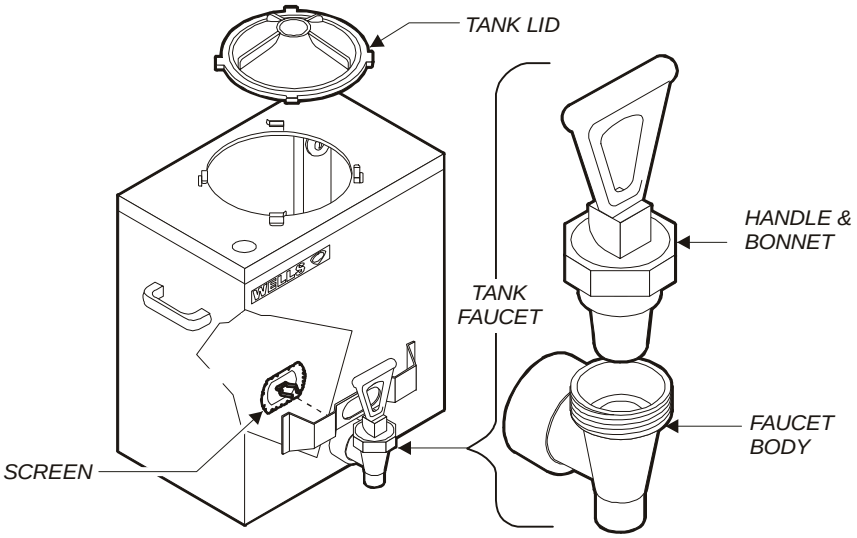
IMPORTANT:
DO NOT use bleach, abrasive cleansers or cleansers containing chlorides.

DAILY CLEANING

PRECAUTIONS: Press POWER SWITCH to *OFF (0).*
Drain all water from TANK.
Remove tank from Water-Max™.

FREQUENCY: Minimum - Daily, or as required

TOOLS: Soft Cloth, Soft Bristle Brush



Wipe down the exterior of the Water-Max™ with a soft damp cloth.

Use a soft bristle brush to remove any calcium or lime build-up on the end of the dispensing nozzle. Wipe dispensing nozzle clean with a soft damp cloth.

Remove TANK LID.

Wipe TANK FAUCET, interior and exterior of tank with a soft damp cloth. ***DO NOT SUBMERGE TANK IN WATER!***

Fill tank with cool, clean water. Check operation of faucet.
If the faucet leaks:
- Drain tank
- Disassemble faucet by unscrewing bonnet from faucet body.
- Clean or repair faucet as necessary.
- Reassemble bonnet on faucet body.

Reinstall TANK LID.

Drain any remaining water from tank and re-install on Water-Max™.

Press POWER SWITCH to *ON (I)* and test for proper operation.

Procedure is complete.

DELIMING INSTRUCTIONS

PRECAUTIONS: Water in tank is EXTREMELY HOT (± 200ºF)
Turn Water-Max™ OFF and allow to cool

Tank full of water is HEAVY (64 lbs.)
Drain water from tank before moving.

FREQUENCY: Weekly, or as required when Water-Max™ will not maintain water at 197ºF or higher.

TOOLS: Goggles, Chemical Resistant Gloves
LIMESHIELD™ Scale and Food Soil Inhibitor Solution Bottle
Scrub Pad (Standard Green)

CAUTION
Burn Hazard

Water in Water-Max™ is EXTREMELY HOT

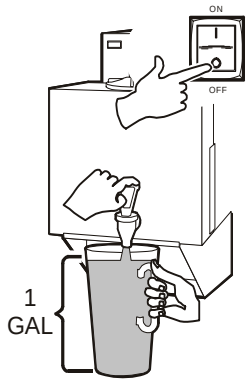
CAUTION
Chemical Burn Hazard

Deliming chemicals are caustic.
Wear protective goggles and gloves during this procedure.

1. Power switch is located on right side of Water-Max™ base.

   Press POWER SWITCH to *OFF*.

   Drain 1 GALLON of water from TANK.



HOT

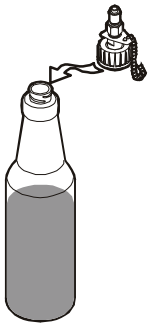
2. Examine SOLUTION BOTTLE for serviceability. If it is cracked or distorted, replace it with a new bottle.

   Pour 2.5 ounces of LIMESHIELD™ into solution bottle.
   Slowly add 4 ounces of warm tap water.

   DISPENSER CAP is attached to the top of Water-Max™ with a chain. Screw quick-disconnect dispenser cap onto solution bottle.

   Gently shake solution bottle. Allow solution to completely dissolve.

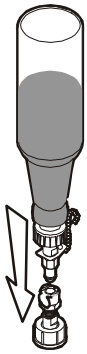
   IMPORTANT: Delime with *LIMESHIELD™ Scale and Food Soil Inhibitor* ONLY!



INSTALL QUICK-DISCONNECT

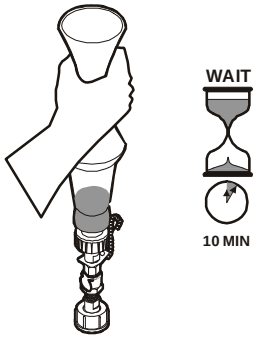
3. QUICK-DISCONNECT FITTING is located on the left top of Water-Max™.

   Invert solution bottle. Insert bottle quick-disconnect fitting into Water-Max™ quick- disconnect fitting. Press solution bottle down until fitting “clicks”, locking solution bottle in place.



INSERT BOTTLE

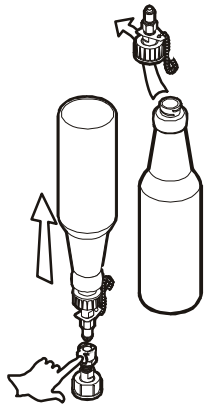
DELIMING INSTRUCTIONS (continued)



4. Squeeze solution bottle and force deliming solution into Water-Max™

   Allow Water-Max to set for 10 MINUTES with solution bottle in place.

SQUEEZE

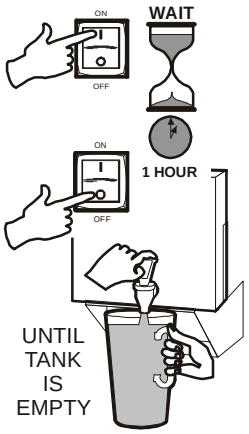


REMOVE BOTTLE

5. Press BUTTON on quick-disconnect fitting to release solution bottle. While pressing button, lift solution bottle straight up.

   Unscrew dispenser cap from solution bottle.

   Rinse solution bottle and retain for next deliming cycle.



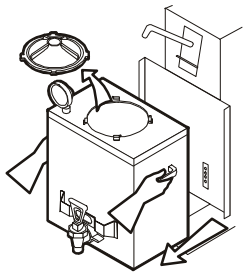
UNTIL TANK IS EMPTY

6. Press power switch to *ON*. Water-Max™ will dispense water and deliming solution into tank.

   When Water-Max™ stops dispensing, press power switch to *OFF*. Allow Water-Max™ to set for I HOUR with deliming solution in tank.

   After I hour, drain pitchers of water from tank until tank is empty.

   Pour all water and solution from tank into a sink or appropriate container for disposal.



REMOVE TANK
REMOVE LID

7. Remove tank from Water-Max™

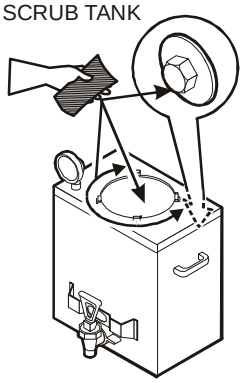
   Remove TANK COVER from tank. Rinse cover and dry. Store tank cover for later use.

8. WATER LEVEL PROBE is located in the tank, in the back right corner near the top.

   Using a STANDARD GREEN SCRUB PAD, clean all scale and lime from the water level probe.

   Using the scrub pad, clean all scale and lime deposits from the lip of the tank opening and from the inside of the tank.

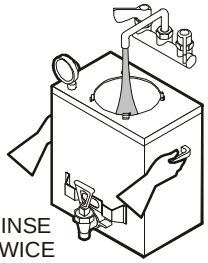
SCRUB TANK



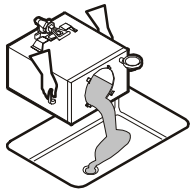
INSIDE TANK,
AROUND LIP,
PROBE

9. Rinse tank thoroughly at least twice.

   Pour all rinse water into a sink or appropriate container for disposal.



RINSE
TWICE

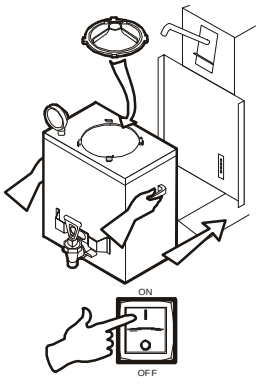


10. Reinstall tank cover on tank.

    Reinstall tank on Water-Max™. Make sure tank connector is fully seated on shelf.

    Press power switch to *ON*.

    After a short delay, tank will begin filling.



REINSTALL
LID & TANK

Procedure is complete

TROUBLESHOOTING SUGGESTIONS

SYMPTOM	POSSIBLE CAUSE	SUGGESTED REMEDY
POWER INDICATOR not lit	Water-Max™ not connected to power	Check circuit breaker
	POWER switch **OFF**	Press POWER switch to *ON*
	Insufficient water supply	Check water supply turned *ON* And supplying at least 25 p.s.i.
	Water tank not installed	Check tank for proper installation
TANK INDICATOR not lit	Tank not properly seated in receptacle	Check tank for proper installation
STATUS INDICATOR flashing	ERROR detected - water pressure insufficient	Check water supply turned *ON* And supplying at least 25 p.s.i.
	ERROR detected - temperature rise between inlet and outlet insufficient	Be sure voltage is maintained during all phases of operation
	RESET Water-Max™: Turn POWER SWITCH *OFF*. Wait 20 seconds. Turn POWER SWITCH *ON*. If unit resets and status indicator comes on without flashing, error was (probably) a low water condition. Otherwise, contact your Authorized Wells Service Agency.	
No water flow from dispense nozzle (power indicator lit, status indicator not flashing)	Tank is full	Normal operation
	Tank is sensed as full, but is actually low	Clean water level probe
	Tank not properly installed	Check tank for proper installation
INDUCTIVE HEATER operates intermittently	Internal hi-limit tripping (cooling fan dirty or obstructed)	Be sure all cooling openings and louvers are unobstructed. Otherwise contact Authorized Wells Service Agency
WATER TANK will not heat	Tank not properly installed (TANK INDICATOR not lit)	Check tank for proper installation
	Internal damage	Contact Authorized Wells Service Agency

OPERATIONAL NOTES

Water-Max™ will not operate if water pressure is less than 25 p.s.i. If Water-Max™ shuts down (status light flashes) for no apparent reason, other equipment on the water line may be robbing water pressure and/or volume from Water-Max™.

ERROR CODES are displayed on the control board readout, visible through the view port on the upper right side of the dispenser. Refer to Water-Max™ Service Manual p/n 503364 for error code meanings and suggested remedies.

There are no user serviceable components in the appliance. In all cases of damage or component malfunction, contact your Authorized Wells Service Agency for repairs.

DESCRIPTION	SERVICE PART NO.
TANK, 5 GALLON, MODEL DT-5	22658
PITCHER, PLASTIC, 4 QT.	84501
ASSEMBLY (STRAINER / PRESSURE REGULATOR WITH GAUGE / WATER HAMMER ARRESTOR)	84868
CORD SET #6AWG/3W/NEMA 6-50P	84897
PRESSURE REGULATOR (ONLY)	8541-401
PRESSURE GAUGE (ONLY)	8541-402
WATER HAMMER ARRESTOR (ONLY)	9012-54
WATERLINE "Y" STRAINER (ONLY)	SA 9052

IMPORTANT: Use only factory authorized service parts and replacement filters.
For factory authorized service, or to order factory authorized replacement parts, contact your Wells authorized service agency, or call:

Wells Manufacturing Co.
10 Sunnen Dr
St. Louis, MO 63143
phone:(800) 807-9054
Fax: (314) 781-2714
(Service Parts Dept.)

Service Parts Department can supply you with the name and telephone number of the WELLS AUTHORIZED SERVICE AGENCY nearest you.

CUSTOMER SERVICE DATA

please have this information available if calling for service

RESTAURANT _____ LOCATION _____
INSTALLATION DATE _____ TECHNICIAN _____
SERVICE COMPANY _____
ADDRESS _____ STATE _____ ZIP_____
TELEPHONE NUMBER (_____)_____-_____

EQUIPMENT MODEL NO. _____
EQUIPMENT SERIAL NO. _____
VOLTAGE: (check one) 208 240

Commercial Food Equipment Service Association

Wells Bloomfield proudly supports CFESA
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SERVICE TRAINING - QUALITY SERVICE

CUSTOMER SATISFACTION

WELLS BLOOMFIELD, LLC
10 Sunnen Dr., St. Louis, MO 63143
telephone: 800-807-9054
fax: 314-781-2714
www.wells-mfg.com